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(FILE 'HOME' ENTERED AT 12:45:19 ON 12 SEP 2003)

FILE 'REGISTRY' ENTERED AT 12:45:35 ON 12 SEP 2003

L1 15 (4<AL<8 AND .1<MN<1 AND 1<CA<4 AND 0<SN<3 AND 80<MG)/MAC

FILE 'HCAPLUS' ENTERED AT 12:46:27 ON 12 SEP 2003

L2 1 L1
SELECT L2 IPC 1
L3 95653 E1
L4 47943 (MAGNESIUM OR MG) (1A) (ALLOY OR REMAIN? OR BAS? OR BALANC? OR RE
L5 156 L4 AND AL AND MN AND CA AND SN
E BRONFIN BORIS/IN,AU
L6 4 E3-4
E AGHION ELIYAHU/IN,AU
L7 5 E3-6
E VON BUCH FRANK/IN,AU
L8 35 E2-4
E SCHUMANN SOENKE/IN,AU
L9 5 E3-4
E KATZIR MARK/IN,AU
L10 2 E3-4
L11 38 L6 OR L7 OR L8 OR L9 OR L10
L12 2 L11 AND L5

Examiner's Copy

AN 1991:28384 HCAPLUS
DN 114:28384
TI Manufacture of vibration-damping magnesium alloy by
ingot casting
IN Yamauchi, Goro; Mino, Masato
PA Nippon Telegraph and Telephone Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02047238	A2	19900216	JP 1988-197520	19880808
PRAI	JP 1988-197520		19880808		

AB The vibration-damping **Mg alloys** for structural parts are prepd. by inoculating molten Mg with H and 0.1-10% Al, Si, P, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Ga, Ge, Y, Zr, Nb, Mo, As, Cd, In, Sn, Sb, and/or Bi as a solid soln. or hydride. The inoculated **Mg-alloy** melt is cast, and the resulting ingots are forged, rolled, and then heat-treated in flowing H at 90.degree.-solidus temp. The alloy product shows a good vibration damping at .gtoreq.1 kHz.

0.1 - 10

{	Al ✓
	Mn ✓
	Zn ✓
	Ca ✓
	Sn ✓
	Sr

Mg